

## Abstract of the Disclosure

A fire detector 1 operating by the scattered radiation principle is described, having at least one radiation transmitter 5.1, 5.2, 5.3 and at least one radiation receiver 6.1, 6.2, 6.3, whose beam paths form a scattering volume 7.1, 7.2, 7.3. The fire detector 1 includes, in addition to at least one first radiation transmitter 5.1 and one first radiation receiver 6.1, at least one second radiation transmitter 5.2 and one second radiation receiver 6.2, whose beam paths form at least two spatially separated scattering volumes 7.1, 7.2.

(Figure 2)